Index of Claims

Application/Control No.

10/82873

Examiner

Applicant(s)/Patent under Reexamination

Art Unit

| • | √ | Rejected |
|---|---|----------|
|   | = | Allowed  |

| - | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| N | Non-Elected  |
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| 1 | Interference |

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| ļ |       | $\perp$ | <u> </u>   | $\perp$ | _ | L | _ | L |          | I   |   | Γ   |   |           |   |     | .  |     |   | Γ   | _ |
| ļ |       | $\perp$ | Ŀ  | ┸       |   | L |   |   |          | L   | _ | L   |   | Γ         |   |     |    | Г   | _ |     | _ |
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| - |       | 1       |  | 1       |   | L |   | L |          | L   |   | L   |   | L         |   |     |    |     |   |     | _ |
| - |       | - -     | 7  | 1       |   | L |   | L |          | L   | _ | L   | _ | L         |   | _   | _  |     |   | ·   |   |
| ŀ |       | 4,      | 8<br>9<br>10   | Ų_      |   | L |   | L | _        | L   | _ | L   | _ | L         | 4 | _   | _  | _   |   |     |   |
| ŀ |       | 4       | ٣  | 4       | _ | L |   | - |          | L   |   | L   |   | L         | 4 |     | _  | _   |   |     |   |
| ŀ |       | +       | 11   | ╀       | _ | L |   | - | _        | L   |   | L   | _ | L         | 4 | _   | 4  |     | _ | _   | _ |
| ŀ |       | +       | 11   | ╀       | - | L | _ | H | _        | L   | _ | L   | _ | _         | 4 |     | 4  | _   | 4 |     | _ |
| ŀ |       | -       | 12   | ╀       | - | L | - | ļ |          | L   | _ | H   | _ | _         | 4 | _   | 4  | _   | 4 |     | _ |
| ŀ |       | +       | 17   | ╁       | - | _ | _ | L | -        | H   | - | -   | 4 |           | + | _   | 4  |     | 4 | _   | _ |
| ŀ |       | +       | 15   | ╁       | - | - | - | _ | -        | _   | - | -   | ┪ | _         | + |     | +  | _   | 4 |     | 4 |
| r |       | +       | 16   | ╁       | - | - | - | _ | -        | _   | - | _   | - |           | + | _   | +  | -   | + | _   | 4 |
| r |       | +       | 17   | ╁       | 7 | _ | + |   | $\dashv$ | -   | 4 | _   | - | ÷         | + | -   | +  |     | + | _   | 4 |
| r |       | 1.      | 18   |         | 7 | _ | 1 | - | 1        | -   | 1 |     | 1 | -         | + | -   | +  |     | + | -   | d |
| ŗ |       | †:      | 19   | Г       | 1 | _ | 7 |   | 7        | _   | 1 | _   | 1 |           | + | _   | +  | -   | + | -   | ┨ |
|   |       | 1       | 20   | Γ       | 1 | _ | 7 | _ | 1        | _   | 7 | _   | 1 |           | † | _   | †  | _   | + |     | 1 |
| Ľ |       | 1       | 21   |         | 1 |   | 7 |   | 7        | _   | 7 | _   | 7 | _         | † |     | +  |     | † | _   | 1 |
|   |       | 2       | 22   |         |   |   |   |   | ٦        | _   | 1 |     | 7 | _         | Ť | _   | †  | _   | t |     | 1 |
| L |       | 2       | 12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23 |         |   |   |   | _ |          | _   | 1 |     | 7 |           | 7 |     | 1  |     | 1 |     | 1 |
| L |       | 12      | 24<br>25<br>26<br>27   |         |   | _ |   |   |          |     |   |     | I | _         | I |     | T  |     | Ť |     | 1 |
| L |       | 2       | 25   | L       | 1 |   | 1 |   | 1        | _   | 1 |     |   |           | Ι |     | Ι  |     |   |     | ] |
| L |       | 2       | 6  | _       | 1 | _ | 1 |   | 1        | _   | 1 |     | 1 |           | L |     |    |     |   |     | ] |
| H |       | 14      |  |         | 4 |   | 4 | _ | 4        |     | 4 | _   | 1 |           | 1 |     | 1  | _   | L | _   | 1 |
| ┝ |       | 1       | 8  | _       | 4 | _ | 4 |   | ,        | _   | + | _   | 4 |           | 1 |     | 1  |     | 1 | _   | 1 |
| H |       | 1 4     | 0  |         | + | _ | + | _ | 7        | _   | + | _   | + |           | ╀ |     | ╀  | _   | 1 |     | 1 |
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| - |       | 1 3     | 2  | _       | + | _ | + | _ | +        | -   | + | _   | + | _         | ╀ |     | ╀  |     | ╀ |     |   |
| - |       | 3       |  | _       | t | _ | ╁ |   | +        | _   | + | _   | ╁ | -         | ╀ | -   | ┝  | ÷   | ╀ |     | l |
| _ |       | 3       | 4  | _       | † | _ | † | - | †        | _   | t |     | + | -         | ╁ | -   | ┝  | -   | ┝ | -   | l |
| _ |       | 3       | 5  | _       | t | _ | † | _ | T        |     | t | _   | † | _         | 1 | _   | 1- | _   | + | _   | l |
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|   |       | 3       | 8  |         | L |   | L |   | I        |     |   |     |   |           | Γ |     | Γ  | •   |   | ٦   |   |
| _ |       | 3       |  |         | L | _ | L |   | L        |     | L |     | L |           |   |     |    |     |   |     |   |
| _ |       | 4       | 0  |         | L | _ | L | _ | L        |     | L |     | L |           | L |     |    |     |   | _]  |   |
| _ | _     | 4       |  |         | L | _ | L |   | L        | _   | L |     | L | _         |   |     |    | _   | _ |     |   |
| - |       | 4:      | <del>{</del>   |         | - | _ | - | _ | -        |     | L | _   | _ |           |   | _   | _  | _   | _ | _   |   |
| - | -     | 4:      |  | _       | - |   | - | _ | -        | _   | _ |     | _ | _         | _ | _ļ  | _  | _   | _ | _   |   |
| - | -     |         |  | _       | - | _ | - | _ | -        |     | - |     | _ | _         |   | 4   |    | _   |   | 4   |   |
| _ | -     | 45      | -  | _       | - | _ | - | _ | -        | _   | - | _   | - | _         | _ | -   | _  | _   |   | _   |   |
| - |       | 47      | ;+   |         | - |   | - | _ | -        |     | - | -   | - | -         |   | 4   |    | -   | _ | -   |   |
| _ |       | 48      |  | _       | - | _ | - |   | -        | -   | _ | _   |   | {         |   | - - |    | -   |   | 4   |   |
| _ |       | 49      |  | -       | - |   | - |   | -        | -   | - | -   | _ | -         | _ | - - |    | - - |   | -   |   |
| _ | -     | 50      | <u>-</u>  -  | -       | - | - | _ | - | -        | -   | - | -   | _ |           |   | - - |    | - - |   | -   |   |
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|          | _ <u></u> | laim     | Date |   |    |          |          |     |   |          |                |          |                |           |          |  |
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|          | Final     | Original |      |   |    |          |          |     |   |          |                |          |                |           |          |  |
| ļ        |           | 51       | 1    | 7 | _  | ╁        |          | H   | 7 | _        | ╁              | +        | $\dashv$       | _         | ╁        |  |
|          |           | 52       | 1    | 7 |    | †        |          | Н   | 7 | _        | ╁              | +        | 7              | _         | ╁        |  |
| ĺ        |           | 53       | 1    | 1 | _  | Ť        |          | -   | 7 | _        | T              | +        | -              |           | †        |  |
|          |           | 54       |      |   |    |          |          |     | 1 |          | T              | 1        | $\neg$         | _         | †        |  |
|          |           | 55       |      |   |    | $\Gamma$ |          |     |   |          | Τ              | $\top$   | ╗              |           | T        |  |
| 1        |           | 56<br>57 | _    | 1 |    |          |          | _   |   |          |                |          |                | _         | Τ        |  |
| -        |           | 57       | _    | 1 |    | 1        | _        | _   | 4 |          | L              |          | $\Box$         |           | Γ        |  |
| -        |           | 58       | +-   | 4 |    | 1        | 4        | _   | 4 |          | L              | _        | 4              |           | L        |  |
| ŀ        |           | 59<br>60 | ╁┈   | + |    | ╀        | 4        | _   | + |          | <del> </del> _ | +        | 4              |           | ļ.       |  |
| ŀ        |           | 61       | +    | + |    | +        | +        |     | + | _        | -              | +        | 4              |           | 1        |  |
| F        |           | 62       | +    | + | _  | +        | +        |     | + | _        | -              | +        | $\dashv$       |           | -        |  |
| t        |           | 62<br>63 | t    | + | _  | -        | +        | _   | + | _        | -              | +        | +              | _         | -        |  |
| r        |           | 64       | 1    | t | _  | 1        | +        | -   | † |          | -              | +        | +              |           | $\vdash$ |  |
|          |           | 64<br>65 | Γ    |   | _  | Г        | 7        |     | Ť | ٦        | ┌              | †        | +              | _         | _        |  |
|          |           | 66       |      | I |    |          |          | _   | I |          |                | T        | 7              |           |          |  |
|          |           | 67       | L    | L |    | L        | 1        |     | L |          |                |          | I              |           |          |  |
| -        |           | 68       | L    | L | _  | L        | 4        |     | 1 |          |                | L        |                | _         |          |  |
| -        |           | 69<br>70 | -    | ╀ | _  |          | 4        |     | ╀ | 4        |                | 1        | 4              | _         | _        |  |
| -        |           | 71       | -    | ┝ | _  | -        | ╀        | _   | ╀ | -        |                | -        | +              | _         | _        |  |
| $\vdash$ |           | 72       | ┝    | ╁ |    | -        | +        |     | ╀ | $\dashv$ | _              | ╀        | +              | -         | -        |  |
| $\vdash$ |           | 72<br>73 | -    | ┢ | _  | _        | †        | -   | t | 7        |                | -        | +              | $\dashv$  | _        |  |
|          |           | 74       |      | T |    | _        | t        |     | t | 7        | _              | -        | +              | 7         | -        |  |
|          |           | 75<br>76 |      | L |    |          |          |     |   | 1        |                | Γ        | $\top$         | 7         | _        |  |
| L        |           | 76       |      | L | _  |          | L        | _   |   | $\perp$  |                |          | I              | $\Box$    | _        |  |
| $\vdash$ | -         | 77       |      | _ | -  |          | 1        | _   | L | 1        |                | _        | 1              | 4         |          |  |
| $\vdash$ |           | 78<br>79 | _    | - | 4  |          | ╀        | _   | - | 4        |                | _        | ╀              | 4         | _        |  |
| $\vdash$ |           | 80       |      | L | +  |          | ├        | _   | - | +        |                | -        | ╀              | 4         | _        |  |
| $\vdash$ | _         | 81       | -    | _ | 1  | _        | ┢        | -   | - | +        |                |          | ╁              | +         | _        |  |
|          |           | 82       |      | - | 7  | _        | T        | _   |   | †        | -              |          | +              | +         |          |  |
|          |           | 83       |      |   | Ī  |          | Γ        |     |   | †        |                | -        | $^{\dagger}$   | $\dagger$ | _        |  |
| 1        | _         | 84       |      | _ | _[ | _        |          |     |   | I        |                |          |                | I         |          |  |
| -        |           | 85       | _    |   | 4  |          | L        | 4   | _ | 1        | _              |          | L              | 1         | _        |  |
| -        |           | 86<br>87 |      | _ | +  | <u>.</u> | -        | 4   |   | +        | _              |          | <del> </del> _ | 4         |          |  |
| $\vdash$ |           | 88       | -    | _ | +  | -        | $\vdash$ | 4   |   | +        | -              |          | -              | +         | _        |  |
| -        | -         | 89       | 7    | - | +  | _        | -        | +   |   | +        | 4              |          | <del> </del>   | +         |          |  |
|          | _†        | 90       | 7    |   | †  |          | -        | 7   |   | †        | +              |          | 1              | +         |          |  |
|          |           | 91       |      | _ |    |          | _        | 1   | _ | T        | 7              | _        | -              | †         | ٦        |  |
| L        |           | 92       |      |   | I  |          | _        |     | _ | I        |                |          |                | T         | 7        |  |
|          |           | 93       |      | _ | Ĺ  | _]       |          | Ţ   | _ |          |                |          |                | I         |          |  |
| -        |           | 94       | 4    | _ | 1  | _        |          | 1   |   | L        | 1              |          |                | 1         |          |  |
| -        |           | 95       |      | _ | +  | _        |          | - - |   | -        | - -            | _        |                | 1         | _        |  |
| <u> </u> |           | 96<br>97 | - -  |   | -  | 4        |          | - - |   | -        | - -            |          | _              | +         | $\dashv$ |  |
|          |           | 98       | - -  |   | 1- | $\dashv$ |          | +   |   | -        | - -            | $\dashv$ |                | +         |          |  |
|          |           | 99       | +    |   | +  | +        |          | +   |   | -        | - -            |          |                | -         | 4        |  |
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|            | Final         | Original          |                                       |    | :        |          |    |              |          |           |           |          |           |          |   |
|            | _             | 101               |                                       | t  |          | _        | †  | _            | ┢        | +         | +         | _        |           | ┿        | _ |
|            |               | 101<br>102<br>103 | -                                     | t  | _        | -        | †  |              | -        | ╁         | +         | -        | -         | +        | _ |
| -          |               | 103               | _                                     | t  | T        | _        | †  | _            | ┢        | +         | +         | -        |           | ╁        | _ |
| -[         |               | 1 104             |                                       | T  |          | _        | †  |              |          | $\dagger$ | †         | 7        |           | ╁        | - |
|            |               | 105               |                                       | T  | _        | _        | T  |              |          | T         | $\dagger$ | $\dashv$ |           | †        | - |
|            |               | 106               |                                       |    |          |          | Ţ  |              |          |           | $\dagger$ |          |           | +        | _ |
| -          |               | 107               |                                       | L  |          | ·        | Ι  |              | •        |           | T         |          |           | T        | ٦ |
| 1          |               | 108               |                                       | L  | _        |          | L  |              |          | Ι         | Ι         |          |           |          |   |
| -          |               | 109               |                                       | L  | 4        |          | ļ. |              |          | L         | 1         |          |           | Γ        |   |
| ŀ          |               | 110<br>111        |                                       | L  | 4        |          | 1  | $\dashv$     |          | ļ.,       | 4         | 4        |           | L        | _ |
| ŀ          | <del></del> - | 112               |                                       | _  | -        |          | ╀  |              |          |           | 4         | 4        |           | <u> </u> | 4 |
| <b> </b> - |               | 113               | -                                     | _  | +        |          | ╀  | -            |          | -         | +         | 4        | _         | ├-       | 4 |
| ļ          |               | 114               |                                       |    | +        |          | ╁  | +            |          | ┝         | ╀         | +        |           | ├        | ┨ |
|            |               | 113<br>114<br>115 | ٦                                     | -  | +        | _        | -  | 7            | _        | ┝         | ╁         | +        | _         | H        | ┨ |
|            |               | 116<br>117        |                                       |    | 7        | _        |    | 7            | _        | _         | $\vdash$  | +        | _         | ┢        | ┨ |
| L          |               | 117               |                                       |    | T        |          | Г  | 7            |          |           | 1         | 7        | _         | -        | 1 |
| L          |               | 118               |                                       | _  | 1        |          |    | $\Box$       |          |           |           |          |           |          | 1 |
| ŀ          |               | 119               | _                                     |    | 4        | _        |    | 1            |          |           | L         | I        |           |          | ] |
| -          |               | 120               | 4                                     |    | -        | _        | _  | 4            |          |           | L         | $\perp$  | _         |          | ] |
| H          |               | 122               | -                                     | _  | +        | _        | _  | +            | -        |           | ╁.        | +        | 4         |          | 1 |
| H          |               | 121<br>122<br>123 | +                                     |    | ╁        | -        |    | +            | -        |           | ├         | +        | 4         |          | ļ |
| r          |               | 124               | +                                     |    | ╁        | $\dashv$ |    | +            | -{       |           | ╀         | +        | -         |          | 1 |
|            |               | 124<br>125        | $\dashv$                              |    | t        | ٦        |    | $\dagger$    | 7        |           | ╁╴        | +        | $\dashv$  |          | 1 |
|            |               | 126<br>127<br>128 |                                       | _  |          |          | _  | 1            | 7        |           | ┪         | +        | 7         |          | 1 |
| L          | _             | 127               | _                                     |    |          | _        |    | I            |          |           |           |          |           |          | 1 |
| L          |               | 128               | 4                                     |    | 1        | 4        |    | $\perp$      | 4        |           |           | I        | $\prod$   |          |   |
| H          |               | 129<br>130        | 4                                     |    | $\perp$  | 4        |    | 1            | 4        | _         | L_        | $\perp$  | 4         |          |   |
| $\vdash$   | -+            | 131               |                                       | _  | ╀        | 4        |    | +            | 4        |           |           | ╀        | 4         |          |   |
| H          |               | 132               | +                                     |    | ╁        | +        | _  | ╁            | +        |           | _         | ╁        | +         | -        | l |
| r          | _             | 133               | ╁                                     |    | ╁        | +        |    | ╁            | +        | -         |           | ╁        | +         | $\dashv$ |   |
|            |               | 134               | 十                                     |    | $\vdash$ | +        | -  | $^{\dagger}$ | +        |           | _         | ╁        | +         | $\dashv$ |   |
|            |               | 135               |                                       |    | Γ        | 1        |    | 1            | +        |           | _         | t٠       | +         | $\dashv$ |   |
| _          | _             | 136               |                                       |    |          | I        |    |              |          |           |           | Γ        | 7         | ٦        |   |
| _          |               | 137               | 4                                     | _  | L        | 1        | _  | L            | 1        |           |           | L        | I         |          |   |
|            |               | 138<br>139        | -                                     | _  |          | +        | _  | L            | 4        | _         |           | L        | 1         | _        |   |
|            |               | 140               | +                                     | -  | _        | ╬        |    | -            | +        |           |           | _        | +         | 4        |   |
|            |               | 141               | +                                     | ┪  |          | ╁        | -  | -            | +        | $\dashv$  |           | -        | ╀         | $\dashv$ |   |
|            |               | 142               | +                                     |    |          | †        |    | -            | +        | $\forall$ |           | -        | +         | $\dashv$ |   |
| _          |               | 143               |                                       |    | _        | T        | _  |              | T        | 1         |           |          | $\dagger$ | $\dashv$ |   |
|            |               | 144               | $\perp$                               | _] |          | I        |    |              | I        |           |           |          | T         |          |   |
|            |               | 145               | -                                     | _  |          | Ļ        |    | _            | 1        |           |           | _        |           |          |   |
|            |               | 47                | 4                                     | -  |          | ╀        | _  |              | - -      | - -       | _         |          | L         | _        |   |
| -          | -             | 48                | -                                     | -  |          | -        | -  |              | - -      | - -       | _         |          | -         | 4        |   |
| _          |               | 49                | -                                     | -  |          | ╁        | -  |              | ╁        | - -       | -         |          | -         | -        |   |
|            | 1             | 50                | 1                                     | +  | —        | $\vdash$ | -  |              | ╁        | - -       | -         |          | -         | $\dashv$ |   |
| _          |               |                   |                                       | ٠, |          | _        | _1 |              | ـــا     | _1_       |           |          | L         | J        |   |